

VEHICLE INSURANCE RENEWAL ONLINE SYSTEM (VIRS)

By:

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A Dissertation report submitted in partial fulfilment
of the requirements for the
Bachelor of Technology (Hons)
(Business Information System)

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CERTIFICATION OF APPROVAL

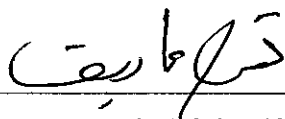
Vehicle Insurance Renewal Online System (VIRS)

by

Syed Muhammad Fahmi bin Syed Husain

A project dissertation submitted to the
Information System Programme
University Technology PETRONAS
in partial fulfillment of the requirements for the
BACHELOR OF TECHNOLOGY (Hons)
(BUSINESS INFORMATION SYSTEM)

Approved by,



(Mrs. Mazeyanti Mohd Ariffin)

**UNIVERSITI TEKNOLOGI PETRONAS
TRONOH, PERAK**

July 2005

CERTIFICATION OF ORIGINALITY

This is to certify that I am responsible for the work submitted in this project, that the original work is my own except as specified in the references and acknowledgements, and that the original work contained herein have not been undertaken or done by unspecified sources or persons

SYED MUHAMMAD FAHMI BIN SYED HUSAIN

ABSTRACT

The insurance renewal system is the annually routine that an owner of a vehicle need to think off. Currently, the insurance companies provide license to people to be an agent for the insurance company. Nowadays, not all the insurance renewal process works online There are no such things as online renewal system for the customers to renew their own insurance online. The payment is done manually to the human agents. Customers have to bring their cover note or grant to the insurance agent every time they want to renew the insurance policy.

The objective of this project is to get the best working process for renewing insurance policies for the vehicle for both the company and the customers. This system is going to ease the process of renewing the vehicle insurance policy. The online system is going to be applied to help in renewing process which is time consuming.

The waterfall model is the methodology being applied in this project development. The waterfall model is divided into five phases. The first stage is the *requirement and definition*. It is followed by the *system interface design and system design*. *System database design* is pursue with the *implementation and unit testing*. It finishes it with *integration and system testing*.

The result of this project is for the system to be applied as the real online system. The system can actually keep the current customer to be loyal to the insurance company and attract new customer registering to the insurance company. The result should fulfill the objective of this project based on the requirement stated. It is hope to cater the exact system for the insurance company to adapt on the renewing process as this system. This system is hoped to help the insurance company to gain more market opportunities.

ACKNOWLEDGEMENT

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CHAPTER 1

INTRODUCTION

1.1 Background of Study

In Malaysia, the vehicles need to have insurance policy to legal the vehicle to be used on road. Owners have to apply insurance policy for their vehicles. Road tax can only be made when the vehicle have insurance policy. There are many insurance companies in Malaysia such as Takaful, Kurnia, John Hancock and ING insurance. The insurance in Malaysia earns profits form the vehicle insurance. The Vehicle Insurance renewal System (VIRS) has wide scope that need a lot of research to determine the correct input and the flow of the renewal process.

Insurance policy is renewed when there is the received of cover note. Old cover note number is used as the reference number to ease the work of renewing process. The personal details, vehicle details, the quotation (calculation of the insurance to be paid), payment process and generate new cover note to able the owner to apply for the road tax. The information about the vehicle such as the owner, brand, model, color and plate number need to be identified. The old policy number has to be kept as it will be the easiest way to check for the renewal process. The system will transmit the information about the owner details from the database. The log-in page is based on the current password being given at the first place they register into the insurance company. A new customer of the insurance company has to register before they can use the system online.

The use of the internet as a medium is to give the opportunities for the insurance company to expand their business. The internet has a global market. It is a medium with no ends. Payment can also be made using the internet. The security for the online payment such as the 'Virtual Private Network' (VPN) should be applied in the online payment basic so that the online payment can be used without any wiretap.

In all the online system, there are needs of databases to store the record. Database is very crucial to secure the important data in the record. The records need to be secure as they are important for future use. Database implementation should be design thoroughly so that it would ease the database administrator to make the alteration when the alteration is needed.

1.2 Problem Statement

1.2.1 Problem Identification

- Cannot be made anywhere the customer wants

The customers have to find the insurance agents to renew their insurance policy for their vehicles. The location of the insurance agents made the customer to use some money to get to the insurance agents to renew their policy. The move of the insurance agents' office can cause more difficulties of the user to renew the policy. The customer have to get to the insurance agents although there might not be able to use the vehicle because of the expiry insurance policy for their vehicles.

- Need of an insurance agent (human agents)

The customers have to seek for the human agents to renew their insurance. The agent is a middleman between the policy holder and the insurance company. These systems actually get rid of the function of the insurance agent that can actually increase the profit for insurance company and it is possible to decrease the cost for the customer to pay due to the exception of the human agents.

- Takes more time to renew the insurance policy

The customers have to spend a lot of time for the renewal process of their vehicle insurance policies. They have to seek for insurance agents at the insurance agent's office. This may take a lot of time for them to seek for the office. There are also insurance agents that directly see the customer at the office or at home to help in the

renewing process. That method used by the insurance agents may interrupt the customer to do their office work or get some rest at home with their children. The insurance agents also have to make the best appointment that would not disturb the customers and their work. The manual process of the renewal process may take much time for the approval of the policy.

1.2.2 Significant of the Project

This project provides the insurance renewing process for vehicle. This online insurance is an opportunity to make a change in the process in insurance companies. There is such online insurance system being applied in current insurance application that just being used by the insurance agents. The current system is only used by the insurance agents to ease their work to renew their customer insurance policy. There is no such system for the customer to use without the insurance agents advice. The customer is given the opportunity to use the online system with VIRS without the help of the insurance agents. The VIRS is more beneficial in term of the reducing of the human agents as it reduces the amount being paid for the services given by the insurance agents.

The time used can be reduced for the renewing process. The online payment eases the work of both sides. The online payment can be made by using the credit card to the insurance company account. This method uses the Virtual Private Network (VPN) as a structure of the security purposes in online payment. The registered policy holders do not have to bring all the personal information and their vehicle grant in the renewing process anymore as the database have record all the past transaction. When they registered for the insurance, they will be provided with a password for the renewing process in the future so that they do not have to go to the insurance agent to renew their policy.

The customer can make the renewal transaction form anywhere he/she wants with the internet connection. The customers do not have to seek for the insurance agents anymore. Based on the location, it may help the customer to pain their mind to find the address of the insurance agents' office to renew their vehicle insurance policy. The customers do not have to spend more money to seek for the insurance agents.

The user can have more leisure time with the use of the system. The time of their work would not be disturbed by the insurance agents. The policy holder do not have to spend time on going to the insurance office to renew their insurance policy and get the approval and cover note.

1.3 Objective and Scope of Study

The aim of this research project is to make a renewal insurance system for the use of the user.

The objectives of this project are:

- To reduce the human agents

This project is to present the direct transaction between the policy holder and the insurance company. The insurance owner can renew their insurance policy for their vehicle online. This system can reduce the amount of insurance agents. The renewing process for the insurance policy may take longer if it is process by the insurance agents. It is hopefully to reduce an amount of time in the renewal process for the insurance policy. The human agents involved are just work as middlemen. In the current time, the function of the insurance agents is just to guide the policy holder to register and renew their insurance policy. Based on this online system, it may teach and guide the customer to about how to renew the insurance policy.

- The use of online payment

The payment can be made online to the insurance company without going to the agent's office to make the payment. The online payment is secured by the VPN to give the privacy of their credit card number and secret.

- Evaluate the smoothness of the customer using the online form

The online form being applied in VIRS is actually follows the flow of renewing process. The user can actually work the insurance online based on the flow of renewal system. They do not have to think about the process. After the login page, the users automatically get the information about their vehicle expiring information. The user can see the vehicle that they own and their vehicle information. The form is set into sequence and understandable by the policy holder

1.3.1 The Relevancy of the Project

This project is relevant as an online system has been a method that proves to be beneficial to all. Online system is ideal as to be applied in future and it is an opportunity to the insurance holders to register it. In future the use of human work can be reduced and this VIRS is going to be applied into market.

This VIRS is going to be a medium of annually routine to the owner to renew the policy for the vehicles. In near future all the work is maybe to be online and VIRS is going to explore into the online business area. All the users can actually online at their own house without worrying to go to the agent's office to make the renewal.

VIRS reduce the time consuming that the past policy holder about renewing their insurance. The time used for the renewing process takes shorter time compared to the process that needs the insurance agents as a middleman. It is reduces in the time used as the policy holder do not need to go to the location of the insurance agent and make the transaction. The cover note of the insurance policy can directly be printed by the

user to enable them to get the cover note for the road tax right away at the nearest Jabatan Pengangkutan Jalan (JPJ).

The used of VIRS is actually can benefit to both, the insurance company and the policy holder. The used to VIRS is can reduce the cost of certain amount of cost for the renewal process as there is no need to pay for the services. The users do the online renewal process themselves with the guidance of the insurance company on the first time as the insurance registration. The amount of human labor that will be reduced can make the insurance company to reduce the cost for the insurance policy.

1.3.2 Feasibility of the Project within the Scope and Time Frame

This project is targeted to the vehicle insurance policy holders' benefits, in which it can be used to ease the renewing insurance process. The owner can get used to the online system not only for insurance purposes but also in different areas. The online system can make the user know more about certain information. The scope is on the texturing the flow of the renewal process for the insurance with the right output.

The time period given to complete this project is limited and it is not feasible for this project to be complete. The scope of this project is too big and need further research on how to make it possible to be applied on the internet. This project needs more time to be completed.

The online payment can be made work as the online system (VIRS) is just a prototype without any registration page. VIRS prototype is not being uploaded in the internet and practical to the user yet. VIRS need more enhancements to be applied by an insurance company. The security is not being applied in the system because it needs the advanced tools to make it able to perform the wanted security services.

CHAPTER 2

LITERATURE REVIEW

2.1 Internet Businesses

Internet businesses are technologies that standardized the communication of application in order to connect system such as VIRS. They connect the business partners and customers less-costly through the World Wide Web. Internet is the world without end. In the internet, there are many illegal companies that make illegal transaction. There is global market on the internet. The business is not just based on the products but also services. Internet is an important medium in term of business nowadays. The internet is a medium for the customer to view the business online and see the online catalog.

“Loosely coupled, reusable software components that semantically encapsulate discrete functionality and are distributed and programmatically accessible over standard Internet protocols.”[1].

It means that the web is independent of any programming languages such as asp.NET platforms and object models. Web services enable the technology to make the e-business model.

2.2 e-Commerce

E-Commerce is also known as the Electronic Data Interchange (EDI). In the past, it is used in the product and services companies to reduce the transaction costs with the trading partners. In the recent years, some supply chain integrated processes using EDI [2]. E-Commerce models and applications have been widely applied in today's business environment as it is beneficial to the business in term or global market. There are also a new method been made called dynamic e-business. It is an advance e-

commerce application that simplifies business interaction over the web. E-Commerce is widely used in the world. Some of the companies do not even have a retail or office such as Dell that only use the e-Commerce method to be the generator of the sales.

2.3 Internet Security (Virtual Private Network)

The internet security is an important thing to think off. The companies that want to apply the e-Commerce method have to consider the security of the internet transaction. It is a serious issue as it gives the safe idea in approaching the e-Commerce method in the business. Many e-Commerce web sites accept credit cards directly for them to spend large amount s of money on the internet with that information. Many website have their security being used to encrypt for the security purposes.

The issue of fraud on the internet is a very serious matter. The security structure called Virtual Private Network (VPN) is a private communication network that is used by companies. It enables them to communicate over the public network. A company can communicate with other companies or organizations over the public network. Internet is the medium that carry VPN messages traffic using standard protocols.

The benefit of a well-designed VPN is huge for the companies. VPN helps in expand the connectivity to further area geographically. The VPN reduces the costs of the companies to communicate each other. In the past, companies used Wide Area Network (WAN) that is costly to be a method used for security purposes. The VPN gives the opportunities to make a global networking and provide faster return on investment (ROI) than the traditional carrier leased- owned WAN lines. The time used to transit and transport is reduced. The transportation is also reduced for remote users.

The security that the VPN provide is based on the cryptographic tunneling protocols to provide the confidential information (preventing snooping), sender authentication (preventing identity spoofing), and message integrity (preventing message alteration)

to achieve the privacy. Secured VPN technologies may also be needed to enhance the security within the dedicated networking infrastructure [3].

The examples of the secure VPN protocols include the following:

- IPsec (IP security) an obligatory part of IP v6
- SSL VPN is used either the entire network stack, such as the OpenVPN, or securing what is essentially a web proxy.
- PPTP (point-to-point tunneling protocol), developed jointly by a number of companies including Microsoft.

2.4 Internet Security (Secure Socket Layer)

Many e-Commerce web sites accept credit cards directly for them to spend large amount of money on the internet with that information. SSL is the technology used in the security phase. Many website have their security being used to encrypt for the security purposes.

Actually the issue of the fraud on security on the internet is very serious. Many web sites use SSL encryption for security. This encodes the information before sending it from the customer workstation through the Internet. The diagram below shows how it works.

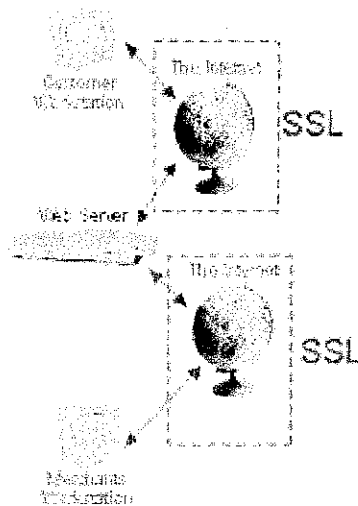


Figure 2.4 The flow of SSL

The problem here is that although the information is encrypted as it travels across the internet, there is still a point at each end where it is not encrypted. The use of SSL encryption can also be hacked but the hackers may face difficulties in decrypting it compared to unsecured message [4].

2.5 Quotation practices

The quotation interface of premium calculation is shown in the VIRS. The calculation is basically the amount of payment needed to be paid. There is also a calculation for the user to notice the right premium amount for them. They can use the method to know a bit about the calculation.

When it comes to the agents' involvement, there are also some frauds that can involve in the transaction because it can be a wrong amount being told to the clients. The clients cannot try themselves on the basis of the premium calculation. When the removal of the function of an agent, there will be the customers to know the process and calculation that is being provided.

The agents do not have to wait for the customers to agree on the term and amount of the payment as there are online. The payment in VIRS can easily disconnect if the user do not want to make payment. The agents are that they are never a deliver for the policy. The insurance companies do it. Agent had paid the policyholder a fee for completing the application. There is also the payment for the work for the agents.

The remove of agents make the policy much lower than before and hopefully to be applied soon. The policyholder had no knowledge of an insurance policy or finance note.

2.6 Vehicle insurance

Vehicle insurance is important to able the user to have a legal driving on the road. Based on General Insurance, the limit vehicle insurance is organized by the vehicle tariff. The vehicle risk is classified based on the used of the vehicle [5].

Sub to the personal vehicle insurance, there are more specification such as:

- Type of insurance that is needed
- Cubic capacity of the vehicle
- Current market value of the vehicle

2.7 Renewing vehicle insurance

Based on the Malaysian Insurance Institute the general insurance contract is actually made in a year period or less. The contract can be renew due to the agreement between the policyholder and the insurance company [5].

At the end of the contract, the insurance company will calculate again the risk. As the calculation is made, the premium maybe also changes.

The change that maybe involve is based on two basic causes that are:

- Change in risk in the policy
- Change of amount of risk such as the modification of the vehicle engine and cubic capacity (cc).

CHAPTER 3

METHODOLOGY

3.1 Procedure Identification

The waterfall model is the methodology being applied in this project development. The waterfall model is divided into five phases. Waterfall model is best to be applied because this insurance-based system is actually fixed. The requirement and specification of this system is known.

- Requirement analysis and definition.

The author has to identify the system's service, constraints and the goals of this system toward its use for the system users. They are defined in detail and serve as a systems specification. The analysis consists of identifying the requirement for insurance renewal process and how it is going to work. The tools have to be identified such as software and hardware so that the system can run smoothly.

- System interface design

This phase is established to ensure how the interface is going to look like with hardware and software being stated in the tools below. It shows the overall system structures.

- System design

System design phase is been applied in getting the interface and the coding works together. The system design phase is the phase in joining the database and the interface with the coding being type such as linkage functions.

- System database design

The tools being used is the Microsoft Access 2003. The database helps in recording the information about the current customers and their vehicles details. The information of the vehicle or the owner is traced and then makes the design on the needs.

- Implementation and unit testing.

During the stage, the author has to implement the coding into the system to work. This method is to try all the possible source code till it suite the function needed. This phase require the author to verify the coding to fulfill the objective of the system.

- Integration and system testing.

The system is now complete. The system is fully tested and this phase identifies the problem about the coding. The linkage is checked. The flow of the forms is checked. The complete system is then tested based on the requirement that had been set in the report so that it will not have any lack of requirement in the system. After testing, the system (VIRS) can be delivered to the supervisor to seek for approval.

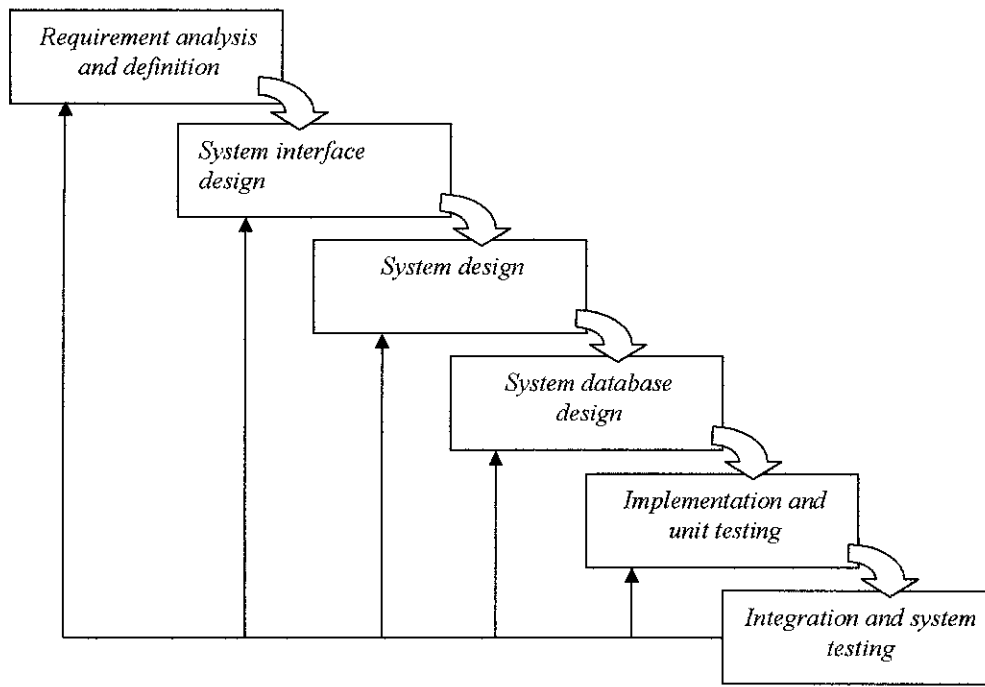


Figure 3.1 Waterfall Model

3.2 Tools

3.2.1 For system developer

Software used:

- Visual Studio.NET – uses the asp.NET application. It is a web application. It is used to design either for web or Windows application. For this purpose, the author uses it for the web application.
- Microsoft Access 2003 – It is used to store record as the database for the system. The database is needed to record personal details, vehicle details and payment history.

- Internet Information Server (IIS) – This system must have a web server. The web server is the IIS that transmits all the data to the server from the asp.NET application.

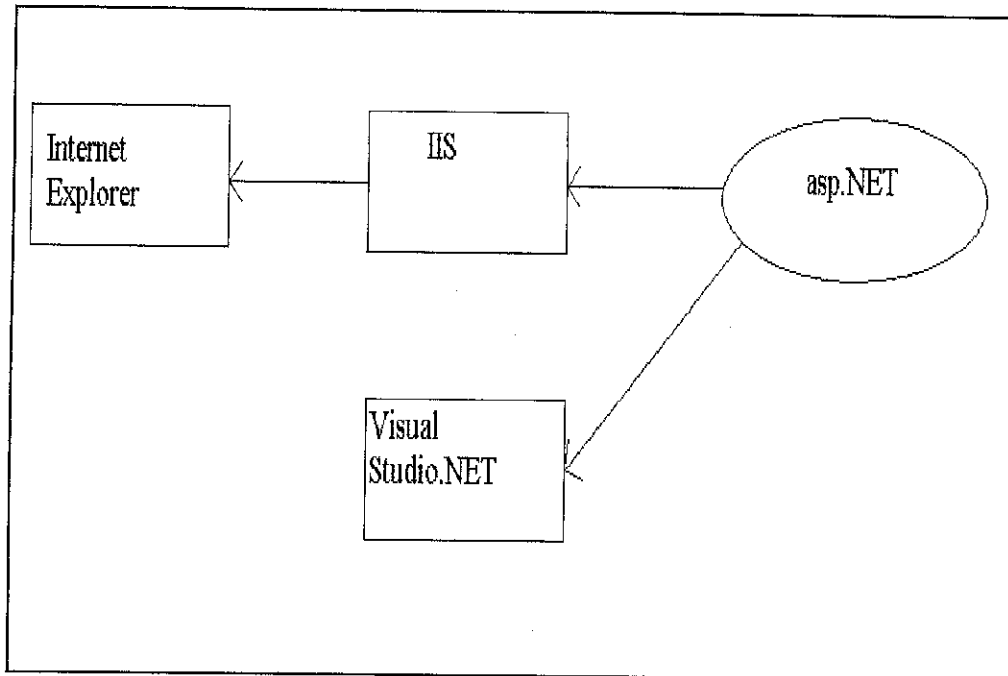


Figure 3.2.1 the flow involved in the development process

3.2.2 For users

Software used

- Internet Explorer – To able the user to get online through the VIRS.

CHAPTER 4

RESULTS AND FINDINGS

4.1 Time

The users of VIRS use less time in the process of insurance renewal. The customers need shorter time to complete the renewal process as compared to the manual work. VIRS can generate the cover note in a day. The manual process may take at least two days to be completed.

The availability of VIRS to be used online eases the work of the user to renew their insurance policy. The 24 hours daily availability is the advantage of VIRS in the time used to make the transaction.

Table 4.1 Comparison between VIRS and manual insurance process

	Availability	Approval
VIRS	24hours/day	One day
Manual Insurance Process	8-10 hours/day	At least 2 days

4.2 Online payment

Online payment is the problem faced by the system as the customers do not yet able to use the VIRS as they still cannot accept the used of the online payment. Although the state of the security forces being applied in the system, the credit card users feel that they should not used the credit card online.

The user of online payment using credit cards is not yet huge enough to be realistic. The old users with credit card do not like to use their card online. The teenagers who

are the first target to use the internet are not likely to have a credit card yet. So, the middle age user is the main target of this system to be on the insurance market.

Based on the surveys there are only three percent of credit card holders in Malaysia that are willing to use the payment online.

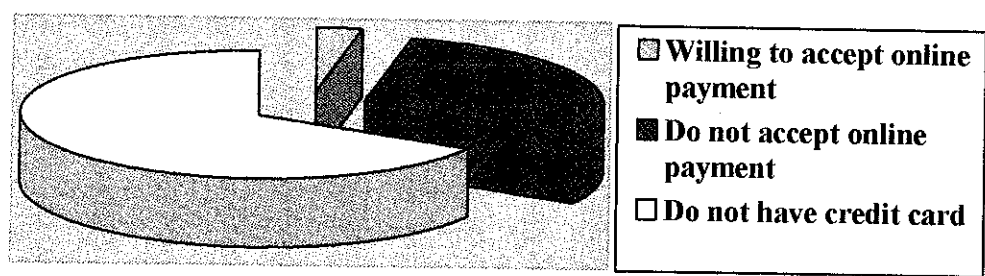


Figure 4.2 the percentage of prospect users of VIRS

CHAPTER 5

CONCLUSIONS AND RECOMMENDATIONS

5.1 Conclusion

This project is to create VIRS of the insurance companies and the policy holder. This system is for the user to renew their vehicle insurance policy. VIRS also help in organizing the database for the administration. The objective of this project is to fulfill in helping the customers to ease their work to renew their insurance anywhere where the internet connection is provided. This system is suitable in the new era of online business for the insurance companies.

The customer should adopt the system for the ease of the work and to reduce of time used to renew the insurance policies. VIRS helps the insurance companies to reduce the insurance agents as the insurance work become simpler and better.

5.2 Recommendations

The system should be enhanced to be applied in the current insurance business. VIRS database using the MS Access should be upgrade by using mySQL as MS Access is just for a small database.

There should be an alert system to give the administration to keep track of the vehicles expiring policies. The alert system should able the insurance company to know the amount of their monthly or weekly earnings. An alert system is one of the special features that should be in the system. It is an alternative to keep track of the current customer. A lot of company use to make manual process have to seek for the information about their customer expiring policy. This alert could reduce the time with the automatic popup in an interface about their customer information for the

company employee to check about their renewing process. The customer with the expiring policy should get an e-mail that is automated process when it reaches a certain time (one week before expiry). The automated e-mail is works as a reminder to the owner of an expiring insurance policy to renew their insurance.

The system may also be in the all type of insurance and not only for the renewal vehicle system. The insurance have several different services such as the life insurance and general insurance.

The update of information feature in the system should also be needed. The update such as the address, the change of plate number and no claim discount may also need.

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APPENDICES

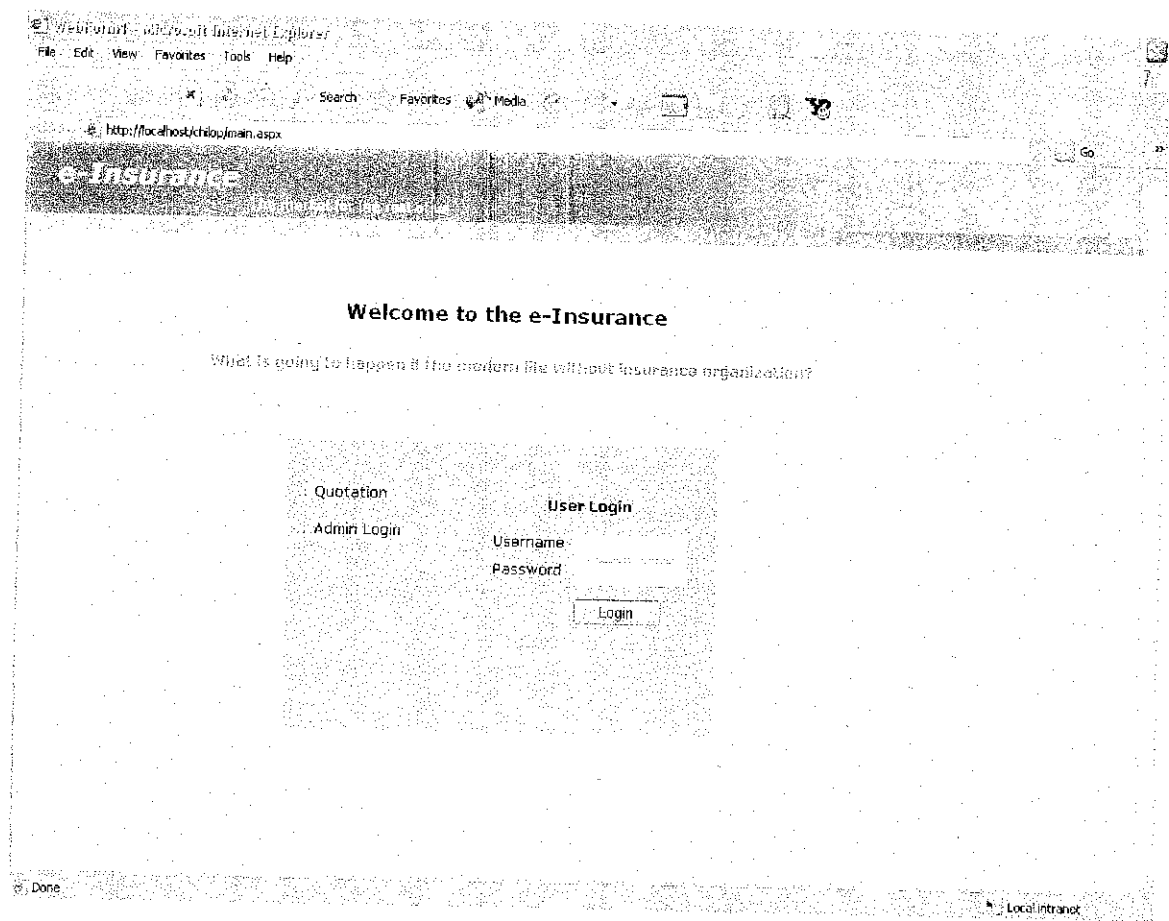


Figure 6.1 User login page

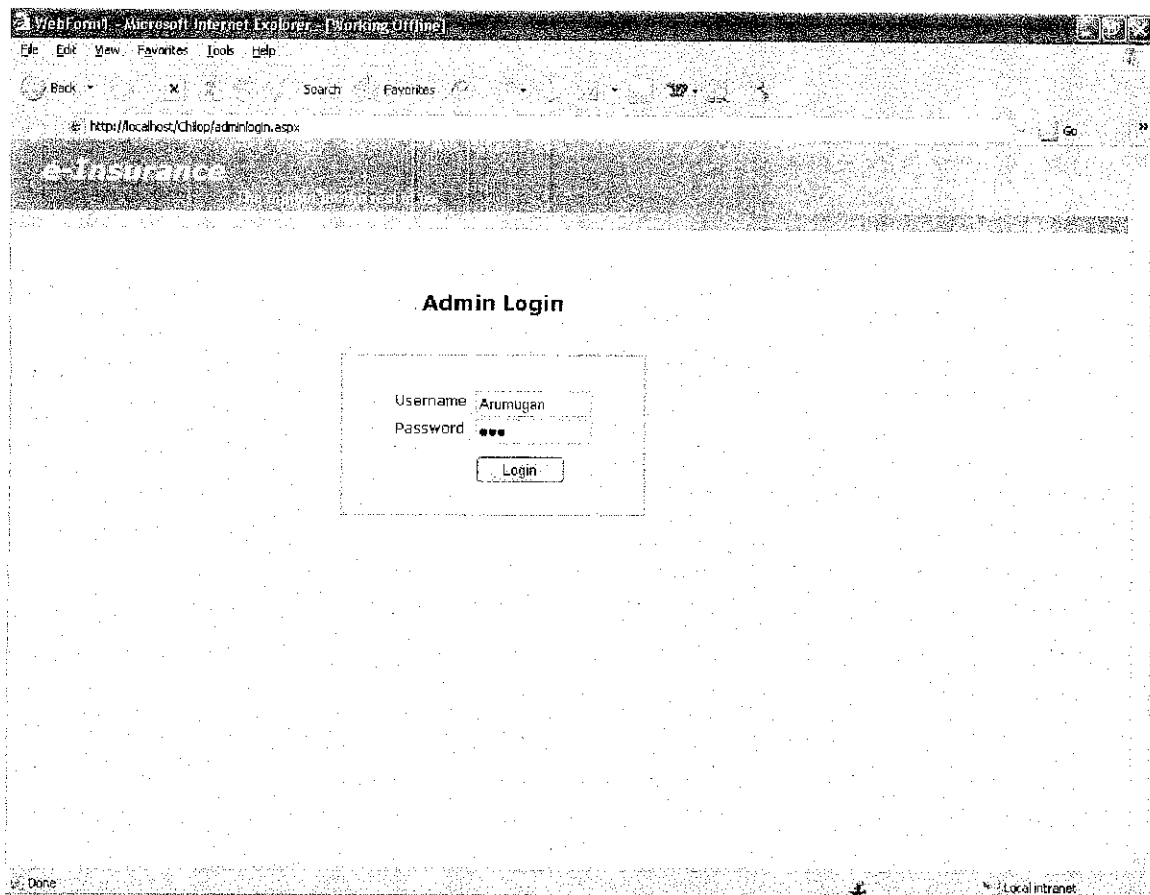


Figure 6.2 Administrator login page

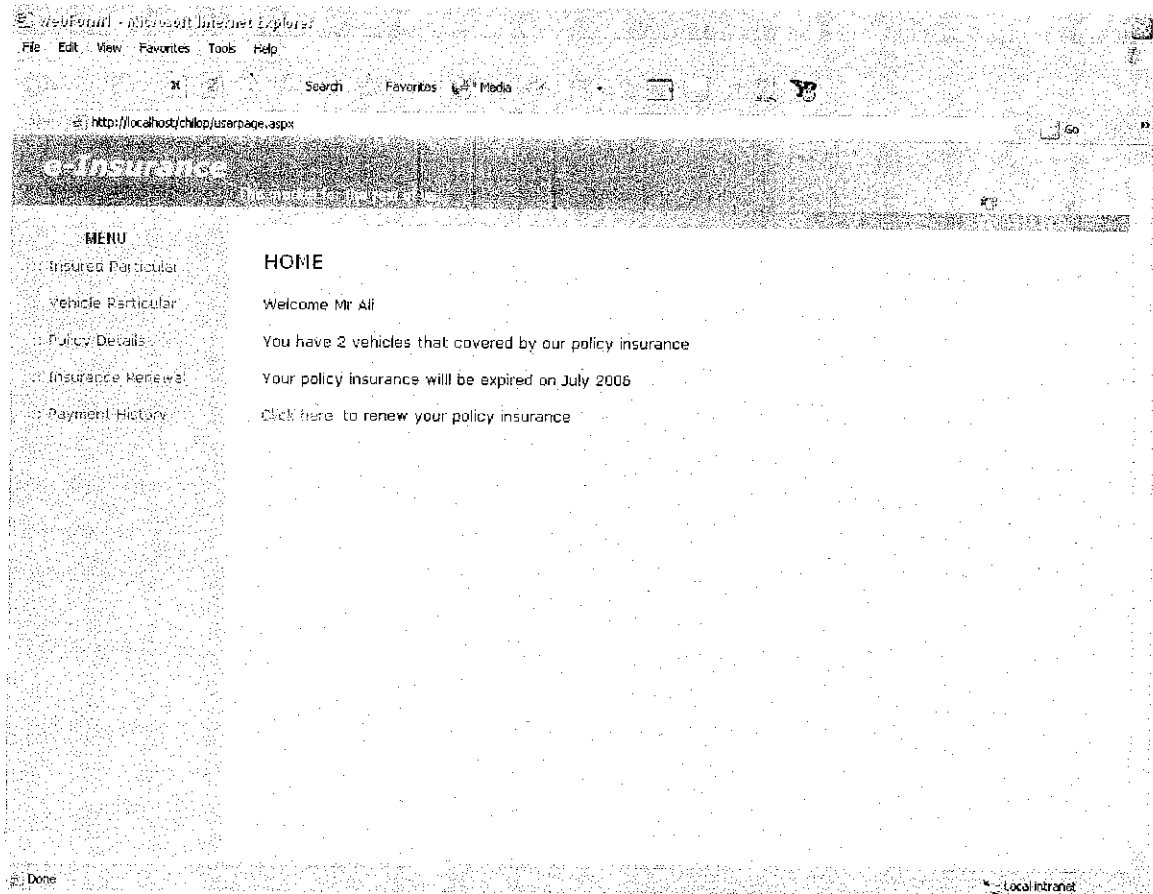


Figure 6.3 User page

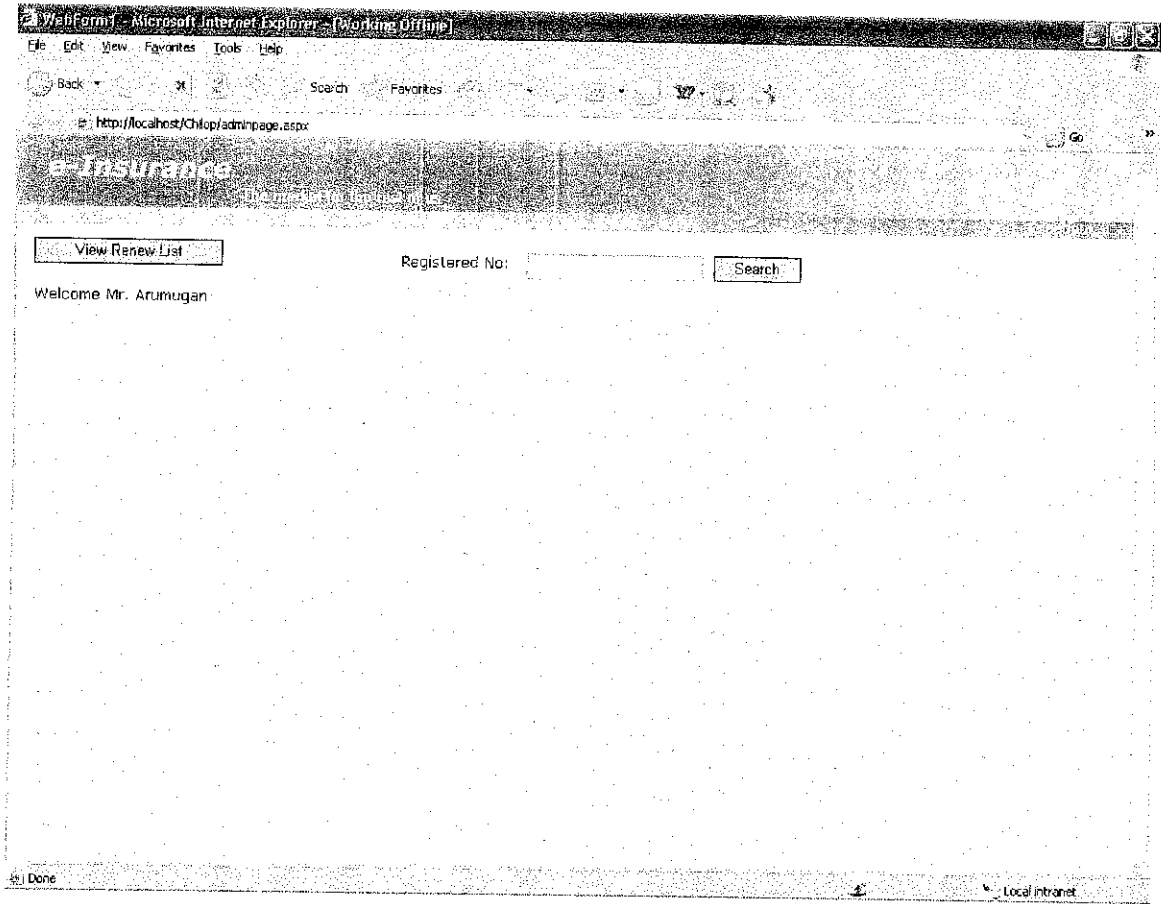


Figure 6.4 Administrator's search engine

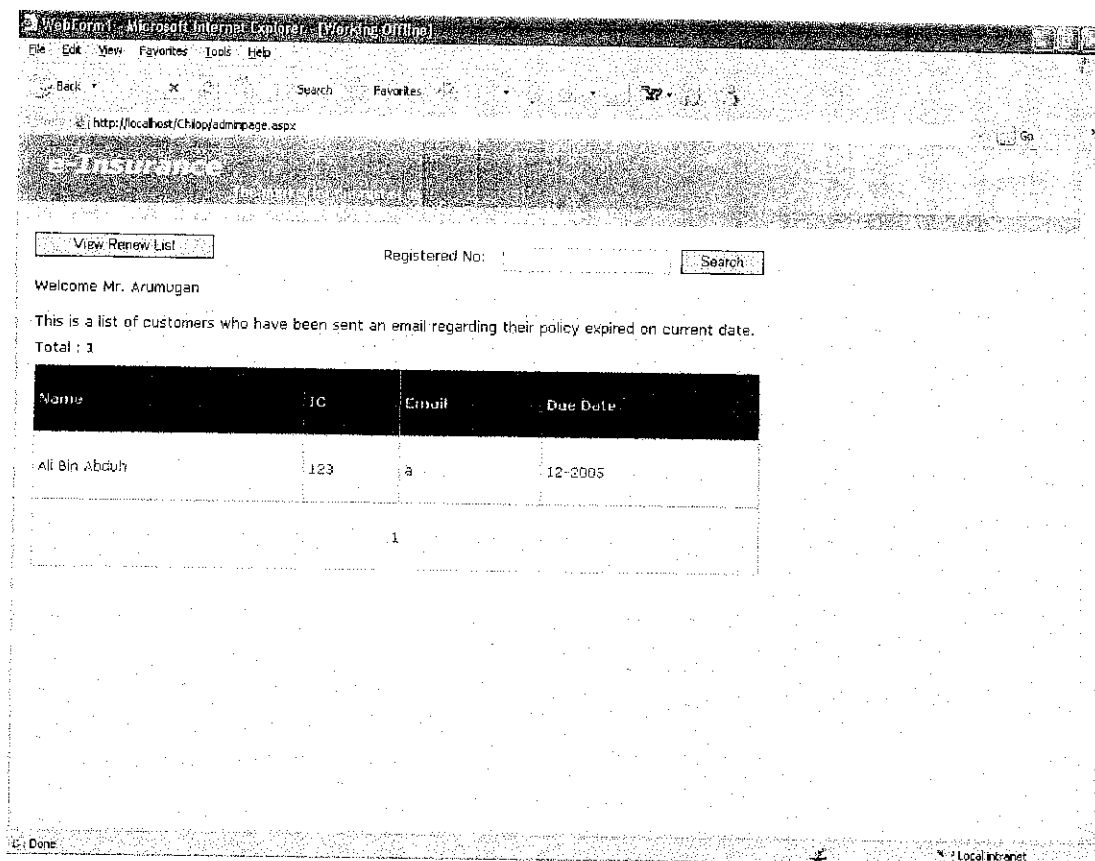


Figure 6.5 Renew list

Web browser: Microsoft Internet Explorer
File Edit View Favorites Tools Help

Back Search Favorites Media

http://localhost/chico/insured.aspx

e-Insurance

MENU

- Insured Particular**
- Vehicle Particular
- Policy Details
- Insurance Renewal
- Payment History

Name	Ali bin Ahmad Albab
IC No	526352-03-6631
Email	ali@ahmad.com
D.O.B	
Gender	
Marital Status	
Driving Experience	Year(s)
Occupation	
Address	
Postcode	
Town	
State	
Phone(H)	
Phone(H/P)	

No of Claims in Past 3 Years on:

Damage to vehicle	
Windscreen	
Theft	
Third party claim	

Have you committed any road offence involving your license being endorsed? ☐

Done Local intranet

Figure 6.6 insured particular page

Web browser: Microsoft Internet Explorer
 File Edit View Favorites Tools Help
 Back Search Favorites Media
 http://localhost/chilog/renewal.aspx

e-Insurance

9/8

MENU

- Insured Particular
- Vehicle Particular
- Policy Details
- Insurance Renewal**
- Payment History

Premium Pricing	2000
Basic Premium	2000
+Loading	3000
-NCD (25.00%)	100
+Additional Coverage	200
Legal Liability to Passenger	
Legal Liability of Passenger	
Strike, Riot and Civil Commotion (SRCC)	
Excess Windscreen (RM500)	
Loading Radio (RM1000)	
Special Perils	
Additional Named Drivers	
(2 person in addition to 2 free drivers)	

Gross Premium	
+Stamp Duty	
+Service Tax (0.00%)	
Gross Due	
+Commission (10.00%)	
Net Due	

Done Local intranet

Figure 6.7 Insurance renewal forms

Internet Explorer

File Edit View Favorites Tools Help

Back Search Favorites Media

http://localhost/chhop/policy.aspx

e-insurance

MENU

- Insured Particular
- Vehicle Particular
- Policy Details**
- Insurance Renewal
- Payment History

Insured Name Ali bin Ahmad Albab

Policy/Renewal No 88963524

Current Policy Due Date 20 July 2006

New Period of Insurance To

Vehicle Registratio No

Vehicle Capacity CC

Coverage

No Claim Discount

Excess

Loading

Sum Insured (RM)

Sum Insured (RM)

Moved recently? Kindly update your address for us to reflect the latest in our records

Done Local intranet

Figure 6.8 Policy details page

Internet Explorer - http://localhost/chilop/renewal.aspx

File Edit View Favorites Tools Help

Back Search Favorites Media

http://localhost/chilop/renewal.aspx

Insurance

MENU

- Insured Particular
- Vehicle Particular
- Policy Details
- Insurance Renewal**
- Payment History

Premium Pricing	2000
Basic Premium	2000
+Loading	3000
-NCD (25.00%)	100
+Additional Coverage	200
Legal Liability to Passenger	
Legal Liability of Passenger	
Strike, Riot and Civil Commotion (SRCC)	
Excess Windscreen (RM500)	
Loading Radio (RM1000)	
Special Perils	
Additional Named Drivers	
(2 person in addition to 2 free drivers)	
<input type="button" value="Calculate"/> <input type="button" value="Clear"/>	
Gross Premium	
+Stamp Duty	
+Service Tax (0.00%)	
Gross Due	
+Commission (10.00%)	
Net Due	
<input type="button" value="NEXT (Review)"/>	

Done Local Intranet

Figure 6.9 Quotation form

WebForm1 - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media Go
http://localhost/chicop/renewalpay.aspx

e-Insurance

Home Insurance Vehicle Insurance Life Insurance

MENU

- Insured Particular
- Vehicle Particular
- Policy Details
- Insurance Renewal**
- Payment History

PAYMENT

☒ Credit Card Payment

Credit Card ☐ Visa ☐ Mastercard

Card Number:

Expiration Month:

Expiration Year:

☐ Bank-In Cheque/ Cash

Bank:

Reference Number:

Amount(RM):

Date:

Start downloading from site: http://localhost/chicop/userpage.aspx Local Intranet

Figure 6.10 Payment Screen

WebForm1 - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Search Favorites Go

http://localhost/chilop/covenote.aspx

Motor Insurance Policy Details

COVER NOTE FOR VEHICLE INSURANCE

- ROAD TRANSPORT ACT, 1967 (MALAYSIA)
- THE MOTOR VEHICLE (THIRD PARTY RISKS) RULE, 1959 (MALAYSIA)
- THE MOTOR VEHICLES (THIRD PARTY RISKS AND COMPENSATION) ACT (CAF 189) REPUBLIC OF SINGAPORE
- THE MOTOR VEHICLE (THIRD PARTY RISKS AND COMPENSATION) RULES, REPUBLIC OF SINGAPORE
- THE MOTOR VEHICLES INSURANCE (THIRD PARTY RISK) ACT (CAP90) NEGARA BRUNEI DARUSSALAM

Section 141 of the Insurance Act, 1996:

No cover can be granted until the premium has been paid in accordance with the Regulations issued under the Section. Any person who fails to comply with this Section shall be guilty of an offence and shall on conviction be liable to a fine not exceeding RM 500,000. Where payment of the premium made by cheque, money order, postal order, bank draft or cheater's order, the payment must be in favour of SMUF Insurance Berhad and crossed "Account Payee Only".

NOTE: You should received the Company's policy within 30 days from inception of risk. If not, please refer to the Company's Head Office of the nearest Branch Office

Insured Details	
Insured Name	Ali Bin Abdulh
IC No	123
Marital Status	a
Address	a
Gender	a
Occupation	a

Vehicle Details	

Done Local intranet

Figure 6.11 Cover note

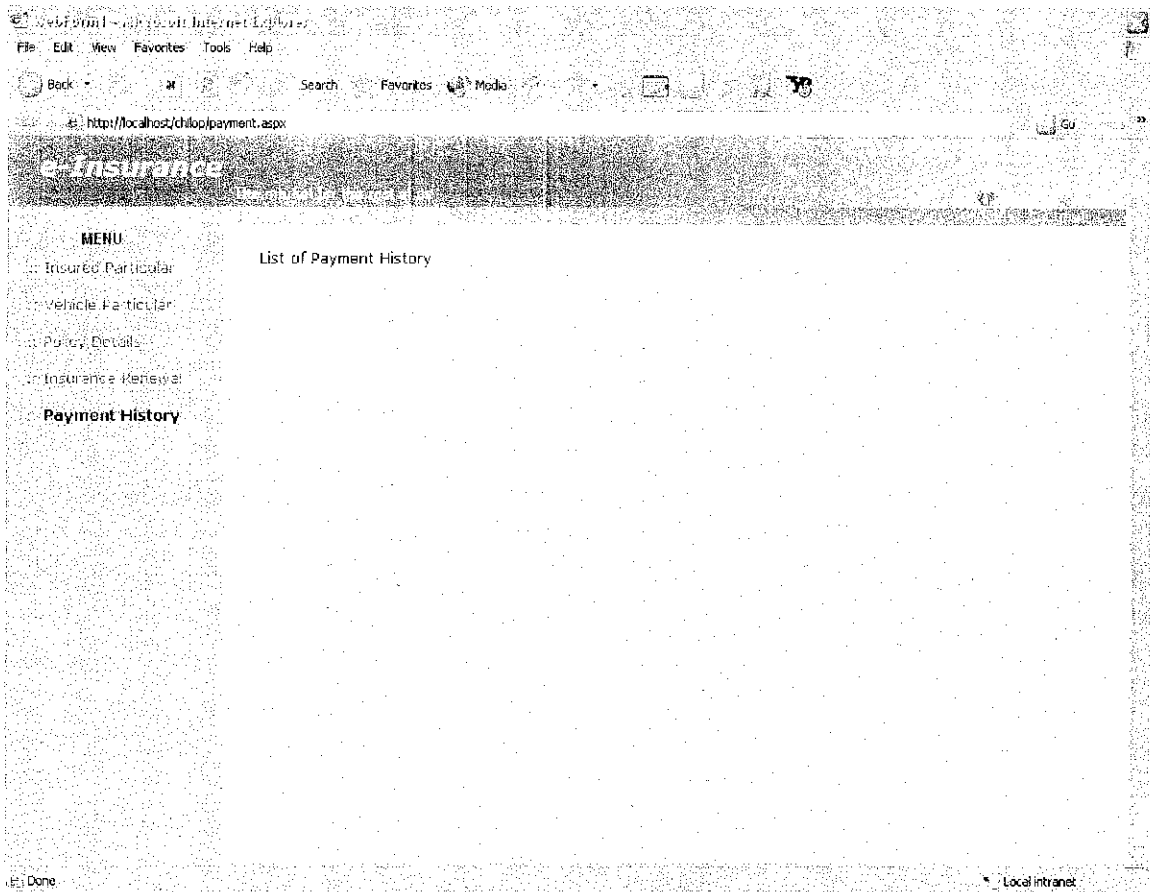


Figure 6.12 Payment history page

Main Page source code

```
Public Class WebForm1
    Inherits System.Web.UI.Page

#Region " Web Form Designer Generated Code "

    'This call is required by the Web Form Designer.
    <System.Diagnostics.DebuggerStepThrough()> Private Sub
InitializeComponent()

        End Sub
        Protected WithEvents Image1 As System.Web.UI.WebControls.Image
        Protected WithEvents Image2 As System.Web.UI.WebControls.Image
        Protected WithEvents Image3 As System.Web.UI.WebControls.Image
        Protected WithEvents HyperLink1 As
System.Web.UI.WebControls.HyperLink
        Protected WithEvents HyperLink2 As
System.Web.UI.WebControls.HyperLink
        Protected WithEvents Panel1 As System.Web.UI.WebControls.Panel
        Protected WithEvents Label1 As System.Web.UI.WebControls.Label
        Protected WithEvents Label2 As System.Web.UI.WebControls.Label
        Protected WithEvents Image4 As System.Web.UI.WebControls.Image
        Protected WithEvents Label3 As System.Web.UI.WebControls.Label
        Protected WithEvents Label4 As System.Web.UI.WebControls.Label
        Protected WithEvents Label5 As System.Web.UI.WebControls.Label
        Protected WithEvents Label6 As System.Web.UI.WebControls.Label
        Protected WithEvents Panel2 As System.Web.UI.WebControls.Panel
        Protected WithEvents Panel3 As System.Web.UI.WebControls.Panel
        Protected WithEvents txtUsername As
System.Web.UI.WebControls.TextBox
        Protected WithEvents txtPassword As
System.Web.UI.WebControls.TextBox
        Protected WithEvents lblInform As System.Web.UI.WebControls.Label
        Protected WithEvents Button1 As System.Web.UI.WebControls.Button

        'NOTE: The following placeholder declaration is required by the
Web Form Designer.
        'Do not delete or move it.
        Private designerPlaceholderDeclaration As System.Object

        Private Sub Page_Init(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles MyBase.Init
            'CODEGEN: This method call is required by the Web Form
Designer
            'Do not modify it using the code editor.
            InitializeComponent()
        End Sub

#End Region

    Dim strPath As String = Server.MapPath(".") & "\data.mdb"
    Dim strConn As String = "Provider=Microsoft.Jet.OLEDB.4.0;Data
Source=" & strPath

    Private Sub Page_Load(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles MyBase.Load
```

```

        'Put user code to initialize the page here
    End Sub

    Private Sub Button1_Click(ByVal sender As System.Object, ByVal e
As System.EventArgs) Handles Button1.Click
        Dim strSql, strMsg As String
        Dim dsMentor As New DataSet
        lblInform.Text = ""
        strSql = "SELECT * FROM [user] WHERE IC = '" &
txtUsername.Text & "' AND password = '" & txtPassword.Text & "'"
        If txtUsername.Text = "" Then
            lblInform.Text = "Please enter username"
            Exit Sub
        End If
        If txtPassword.Text = "" Then
            lblInform.Text = "please enter password"
            Exit Sub
        End If
        Dim MyDataReader As OleDb.OleDbDataReader = Nothing
        Dim myConn As New OleDb.OleDbConnection(strConn)
        Dim myCmd As New OleDb.OleDbCommand(strSql, myConn)
        Try
            myConn.Open()
            MyDataReader = myCmd.ExecuteReader
            If MyDataReader.HasRows = True Then
                Session.Add("id", txtUsername.Text)
                Response.Redirect("userpage.aspx")
            Else
                lblInform.Text = "Incorrect username or password"
            End If
        Catch exp As Exception
            strMsg = "Error message: " & exp.Message
        Finally
            myConn.Close()
        End Try
    End Sub
End Class

```

Quotation Page source code

```

Public Class userpage
    Inherits System.Web.UI.Page

    #Region " Web Form Designer Generated Code "

        'This call is required by the Web Form Designer.
        <System.Diagnostics.DebuggerStepThrough()> Private Sub
InitializeComponent()

            End Sub
            Protected WithEvents Image1 As System.Web.UI.WebControls.Image
            Protected WithEvents Label4 As System.Web.UI.WebControls.Label
            Protected WithEvents HyperLink2 As
System.Web.UI.WebControls.HyperLink

```

```

        Protected WithEvents Image2 As System.Web.UI.WebControls.Image
        Protected WithEvents Image3 As System.Web.UI.WebControls.Image
        Protected WithEvents HyperLink1 As
System.Web.UI.WebControls.HyperLink
        Protected WithEvents Image4 As System.Web.UI.WebControls.Image
        Protected WithEvents Label3 As System.Web.UI.WebControls.Label
        Protected WithEvents Panel3 As System.Web.UI.WebControls.Panel
        Protected WithEvents HyperLink3 As
System.Web.UI.WebControls.HyperLink
        Protected WithEvents HyperLink4 As
System.Web.UI.WebControls.HyperLink
        Protected WithEvents HyperLink5 As
System.Web.UI.WebControls.HyperLink
        Protected WithEvents Label1 As System.Web.UI.WebControls.Label
        Protected WithEvents Label2 As System.Web.UI.WebControls.Label
        Protected WithEvents Label5 As System.Web.UI.WebControls.Label
        Protected WithEvents LinkButton1
System.Web.UI.WebControls.LinkButton
        Protected WithEvents Label7 As System.Web.UI.WebControls.Label
        Protected WithEvents LinkButton2 As
System.Web.UI.WebControls.LinkButton
        Protected WithEvents Label8 As System.Web.UI.WebControls.Label
        Protected WithEvents LinkButton3 As
System.Web.UI.WebControls.LinkButton
        Protected WithEvents Label10 As System.Web.UI.WebControls.Label
        Protected WithEvents Image5 As System.Web.UI.WebControls.Image
        Protected WithEvents Image6 As System.Web.UI.WebControls.Image
        Protected WithEvents Label11 As System.Web.UI.WebControls.Label
        Protected WithEvents lblName As System.Web.UI.WebControls.Label

```

'NOTE: The following placeholder declaration is required by the Web Form Designer.

'Do not delete or move it.

Private designerPlaceholderDeclaration As System.Object

Private Sub Page_Init(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Init

'CODEGEN: This method call is required by the Web Form Designer

'Do not modify it using the code editor.

InitializeComponent()

End Sub

#End Region

Dim strPath As String = Server.MapPath(".") & "\data.mdb"

Dim strConn As String = "Provider=Microsoft.Jet.OLEDB.4.0;Data Source=" & strPath

Dim myConn As New OleDb.OleDbConnection(strConn)

Private Sub Page_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load

Dim strId As String = Session.Item("id")

If strId = "" Then

Response.Redirect("main.aspx")

End If

```

        If Not IsPostBack Then
            Dim MyDataReader As OleDb.OleDbDataReader = Nothing
            Dim strMsg As String
            Dim strSQL As String

            strSQL = "SELECT name FROM [insured] WHERE IC = '" &
strId & "'"

            Dim myCmd As New OleDb.OleDbCommand(strSQL, myConn)
            Dim str As String
            Try
                myConn.Open()
                MyDataReader = myCmd.ExecuteReader
                While MyDataReader.Read()
                    lblName.Text = "Welcome Mr. " &
MyDataReader("name")
                End While
            Catch exp As Exception
                strMsg = "Error message: " & exp.Message
            Finally
                myConn.Close()
            End Try
        End If
    End Sub

    Private Sub LinkButton3_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles LinkButton3.Click
        Response.Redirect("main.aspx")
    End Sub

    Private Sub LinkButton1_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles LinkButton1.Click
        Session.Clear()
        Response.Redirect("main.aspx")
    End Sub

    Private Sub LinkButton2_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles LinkButton2.Click
        Response.Redirect("renewal.aspx")
    End Sub
End Class

```

Administrator Page source code

```

Public Class adminpage
    Inherits System.Web.UI.Page

    #Region " Web Form Designer Generated Code "

    'This call is required by the Web Form Designer.
    <System.Diagnostics.DebuggerStepThrough()> Private Sub
InitializeComponent()

```

```

End Sub
Protected WithEvents Image1 As System.Web.UI.WebControls.Image
Protected WithEvents Image2 As System.Web.UI.WebControls.Image
Protected WithEvents Image4 As System.Web.UI.WebControls.Image
Protected WithEvents Panel3 As System.Web.UI.WebControls.Panel
Protected WithEvents Label1 As System.Web.UI.WebControls.Label
Protected WithEvents btnRenew As System.Web.UI.WebControls.Button
Protected WithEvents grdRenew As
System.Web.UI.WebControls.DataGrid
Protected WithEvents btnSend As System.Web.UI.WebControls.Button
Protected WithEvents LinkButton3 As
System.Web.UI.WebControls.LinkButton
Protected WithEvents LinkButton1 As
System.Web.UI.WebControls.LinkButton
Protected WithEvents Label2 As System.Web.UI.WebControls.Label
Protected WithEvents Panel1 As System.Web.UI.WebControls.Panel
Protected WithEvents txtTotal As System.Web.UI.WebControls.Label
Protected WithEvents txtSearch As
System.Web.UI.WebControls.TextBox
Protected WithEvents btnSearch As
System.Web.UI.WebControls.Button
Protected WithEvents Label3 As System.Web.UI.WebControls.Label
Protected WithEvents grdSearch As
System.Web.UI.WebControls.DataGrid

```

'NOTE: The following placeholder declaration is required by the Web Form Designer.

'Do not delete or move it.

Private designerPlaceholderDeclaration As System.Object

Private Sub Page_Init(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Init

'CODEGEN: This method call is required by the Web Form Designer

'Do not modify it using the code editor.

InitializeComponent()

End Sub

#End Region

Dim strPath As String = Server.MapPath(".") & "\data.mdb"

Protected strConn As String =

"Provider=Microsoft.Jet.OLEDB.4.0;Data Source=" & strPath

Private Sub Page_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load

Dim strDate As String = Format(System.DateTime.Now(), "dd-MM-yyyy")

Dim strSQL As String = "select p.*, i.IC AS uic, i.name, i.email from payment p INNER JOIN insured i ON p.IC=i.IC WHERE left(to,2) = '" & Mid(strDate, 4, 2) & "'"

With grdRenew

.DataKeyField = "uic"

.DataSource = CreateDataSet(strSQL)

```

        .DataBind()
    End With

    txtTotal.Text = grdRenew.Items.Count
End Sub

Private Function CreateDataSet(ByVal strSQL As String,
Optional ByVal sqlParam As OleDb.OleDbParameter = Nothing) As
DataSet

    Dim scnnNW As New OleDb.OleDbConnection(strConn)

    Dim scmd As New OleDb.OleDbCommand(strSQL, scnnNW)

    If Not IsNothing(sqlParam) Then
        scmd.Parameters.Add(sqlParam)
    End If

    Dim sda As New OleDb.OleDbDataAdapter(scmd)

    Dim ds As New DataSet
    sda.Fill(ds)

    Return ds
End Function

Private Sub btnRenew_Click(ByVal sender As System.Object, ByVal e
As System.EventArgs) Handles btnRenew.Click
    grdRenew.Visible = True
    Panell1.Visible = True
    Label2.Visible = True
    txtTotal.Visible = True
    grdSearch.Visible = False
End Sub

Private Sub LinkButton1_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles LinkButton1.Click
    Response.Redirect("main.aspx")
End Sub

Private Sub LinkButton3_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles LinkButton3.Click
    Response.Redirect("main.aspx")
End Sub

Private Sub btnSearch_Click(ByVal sender As System.Object, ByVal
e As System.EventArgs) Handles btnSearch.Click
    Dim strDate As String = Format(System.DateTime.Now(), "dd-MM-
yyyy")

    Dim strSQL As String = "select v.*, i.IC AS uic, i.name,
i.email from vehicle v INNER JOIN insured i ON v.IC=i.IC WHERE
v.regno = '" & txtSearch.Text & "'"

    With grdSearch
        .DataKeyField = "uic"
    End With

```

```

        .DataSource = CreateDataSet(strSQL)
        .DataBind()
    End With

    txtTotal.Text = grdSearch.Items.Count
    grdSearch.Visible = True
    grdRenew.Visible = False
    Label2.Visible = True
    txtTotal.Visible = True
    Panell1.Visible = False

    End Sub
End Class

```

Insured Particular Page source code

```

Public Class insured
    Inherits System.Web.UI.Page

    #Region " Web Form Designer Generated Code "

    'This call is required by the Web Form Designer.
    <System.Diagnostics.DebuggerStepThrough()> Private Sub
InitializeComponent()

        End Sub
        Protected WithEvents Image1 As System.Web.UI.WebControls.Image
        Protected WithEvents Label10 As System.Web.UI.WebControls.Label
        Protected WithEvents LinkButton3 As
System.Web.UI.WebControls.LinkButton
        Protected WithEvents Label5 As System.Web.UI.WebControls.Label
        Protected WithEvents Label2 As System.Web.UI.WebControls.Label
        Protected WithEvents Label1 As System.Web.UI.WebControls.Label
        Protected WithEvents HyperLink5 As
System.Web.UI.WebControls.HyperLink
        Protected WithEvents HyperLink4 As
System.Web.UI.WebControls.HyperLink
        Protected WithEvents HyperLink3 As
System.Web.UI.WebControls.HyperLink
        Protected WithEvents Label4 As System.Web.UI.WebControls.Label
        Protected WithEvents HyperLink2 As
System.Web.UI.WebControls.HyperLink
        Protected WithEvents Image2 As System.Web.UI.WebControls.Image
        Protected WithEvents Image3 As System.Web.UI.WebControls.Image
        Protected WithEvents HyperLink1 As
System.Web.UI.WebControls.HyperLink
        Protected WithEvents Image4 As System.Web.UI.WebControls.Image
        Protected WithEvents Label3 As System.Web.UI.WebControls.Label
        Protected WithEvents Panel3 As System.Web.UI.WebControls.Panel
        Protected WithEvents LinkButton1 As
System.Web.UI.WebControls.LinkButton
        Protected WithEvents Panell1 As System.Web.UI.WebControls.Panel
        Protected WithEvents Panel2 As System.Web.UI.WebControls.Panel
        Protected WithEvents Panel4 As System.Web.UI.WebControls.Panel
        Protected WithEvents Panel5 As System.Web.UI.WebControls.Panel
        Protected WithEvents Panel6 As System.Web.UI.WebControls.Panel

```



```

Protected WithEvents Panel17 As System.Web.UI.WebControls.Panel
Protected WithEvents Panel18 As System.Web.UI.WebControls.Panel
Protected WithEvents Panel19 As System.Web.UI.WebControls.Panel
Protected WithEvents Panel110 As System.Web.UI.WebControls.Panel
Protected WithEvents Panel111 As System.Web.UI.WebControls.Panel
Protected WithEvents Panel112 As System.Web.UI.WebControls.Panel
Protected WithEvents Panel113 As System.Web.UI.WebControls.Panel
Protected WithEvents Panel114 As System.Web.UI.WebControls.Panel
Protected WithEvents Panel115 As System.Web.UI.WebControls.Panel
Protected WithEvents Panel116 As System.Web.UI.WebControls.Panel
Protected WithEvents Panel117 As System.Web.UI.WebControls.Panel
Protected WithEvents Panel118 As System.Web.UI.WebControls.Panel
Protected WithEvents Panel119 As System.Web.UI.WebControls.Panel
Protected WithEvents Panel120 As System.Web.UI.WebControls.Panel
Protected WithEvents Panel121 As System.Web.UI.WebControls.Panel
Protected WithEvents Panel122 As System.Web.UI.WebControls.Panel
Protected WithEvents Image5 As System.Web.UI.WebControls.Image
Protected WithEvents Image6 As System.Web.UI.WebControls.Image
Protected WithEvents txtOffence As
System.Web.UI.WebControls.TextBox
Protected WithEvents txtClaim As
System.Web.UI.WebControls.TextBox
Protected WithEvents txtTheft As
System.Web.UI.WebControls.TextBox
Protected WithEvents txtWindscreen As
System.Web.UI.WebControls.TextBox
Protected WithEvents txtDamage As
System.Web.UI.WebControls.TextBox
Protected WithEvents txtHp As System.Web.UI.WebControls.TextBox
Protected WithEvents txtPhone As
System.Web.UI.WebControls.TextBox
Protected WithEvents txtState As
System.Web.UI.WebControls.TextBox
Protected WithEvents txtTown As System.Web.UI.WebControls.TextBox
Protected WithEvents txtPostcode As
System.Web.UI.WebControls.TextBox
Protected WithEvents txtAddress As
System.Web.UI.WebControls.TextBox
Protected WithEvents txtOccupation As
System.Web.UI.WebControls.TextBox
Protected WithEvents txtDriving As
System.Web.UI.WebControls.TextBox
Protected WithEvents txtMarital As
System.Web.UI.WebControls.TextBox
Protected WithEvents txtGender As
System.Web.UI.WebControls.TextBox
Protected WithEvents txtDob As System.Web.UI.WebControls.TextBox
Protected WithEvents txtEmail As
System.Web.UI.WebControls.TextBox
Protected WithEvents txtIC As System.Web.UI.WebControls.TextBox
Protected WithEvents txtName As System.Web.UI.WebControls.TextBox

```

'NOTE: The following placeholder declaration is required by the Web Form Designer.

'Do not delete or move it.

```

Private designerPlaceholderDeclaration As System.Object

Private Sub Page_Init(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles MyBase.Init
    'CODEGEN: This method call is required by the Web Form
Designer
    'Do not modify it using the code editor.
    InitializeComponent()
End Sub

#End Region
Dim strPath As String = Server.MapPath(".") & "\data.mdb"
Dim strConn As String = "Provider=Microsoft.Jet.OLEDB.4.0;Data
Source=" & strPath
Dim myConn As New OleDb.OleDbConnection(strConn)

Private Sub Page_Load(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles MyBase.Load
    Dim strId As String = Session.Item("id")
    If Not IsPostBack Then
        Dim MyDataReader As OleDb.OleDbDataReader = Nothing
        Dim strMsg As String
        Dim strSQL As String

        strSQL = "SELECT * FROM [insured] WHERE IC = '" & strId &
""

        Dim myCmd As New OleDb.OleDbCommand(strSQL, myConn)
        Dim str As String
        Try
            myConn.Open()
            MyDataReader = myCmd.ExecuteReader
            While MyDataReader.Read()
                txtOffence.Text = MyDataReader("offence")
                txtClaim.Text = MyDataReader("claim")
                txtTheft.Text = MyDataReader("theft")
                txtWindscreen.Text = MyDataReader("windscreen")
                txtDamage.Text = MyDataReader("damage")
                txtHp.Text = MyDataReader("hp")
                txtPhone.Text = MyDataReader("phone")
                txtState.Text = MyDataReader("state")
                txtTown.Text = MyDataReader("town")
                txtPostcode.Text = MyDataReader("postcode")
                txtAddress.Text = MyDataReader("address")
                txtOccupation.Text = MyDataReader("job")
                txtDriving.Text = MyDataReader("driving")
                txtMarital.Text = MyDataReader("marital")
                txtGender.Text = MyDataReader("gender")
                txtDob.Text = MyDataReader("dob")
                txtEmail.Text = MyDataReader("email")
                txtIC.Text = MyDataReader("ic")
                txtName.Text = MyDataReader("name")
            End While
        Catch exp As Exception
            strMsg = "Error message: " & exp.Message
        End Sub

```

```

        Finally
            myConn.Close()
        End Try
    End If
End Sub

Private Sub LinkButton3_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles LinkButton3.Click
    Response.Redirect("main.aspx")
End Sub

Private Sub LinkButton1_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles LinkButton1.Click
    Session.Clear()
    Response.Redirect("main.aspx")
End Sub
End Class

```

Vehicle Particular Page source code

```

Public Class vehicle
    Inherits System.Web.UI.Page

    #Region " Web Form Designer Generated Code "

    'This call is required by the Web Form Designer.
    <System.Diagnostics.DebuggerStepThrough()> Private Sub
InitializeComponent()

        End Sub
        Protected WithEvents Image1 As System.Web.UI.WebControls.Image
        Protected WithEvents Label10 As System.Web.UI.WebControls.Label
        Protected WithEvents LinkButton3 As
System.Web.UI.WebControls.LinkButton
        Protected WithEvents Label5 As System.Web.UI.WebControls.Label
        Protected WithEvents Label2 As System.Web.UI.WebControls.Label
        Protected WithEvents Label1 As System.Web.UI.WebControls.Label
        Protected WithEvents HyperLink5 As
System.Web.UI.WebControls.HyperLink
        Protected WithEvents HyperLink4 As
System.Web.UI.WebControls.HyperLink
        Protected WithEvents HyperLink3 As
System.Web.UI.WebControls.HyperLink
        Protected WithEvents Label4 As System.Web.UI.WebControls.Label
        Protected WithEvents HyperLink2 As
System.Web.UI.WebControls.HyperLink
        Protected WithEvents Image2 As System.Web.UI.WebControls.Image
        Protected WithEvents Image3 As System.Web.UI.WebControls.Image
        Protected WithEvents HyperLink1 As
System.Web.UI.WebControls.HyperLink
        Protected WithEvents Image4 As System.Web.UI.WebControls.Image
        Protected WithEvents Label3 As System.Web.UI.WebControls.Label
        Protected WithEvents Panel3 As System.Web.UI.WebControls.Panel
        Protected WithEvents LinkButton1 As
System.Web.UI.WebControls.LinkButton

```

```

Protected WithEvents Panel15 As System.Web.UI.WebControls.Panel
Protected WithEvents Panel14 As System.Web.UI.WebControls.Panel
Protected WithEvents Panel13 As System.Web.UI.WebControls.Panel
Protected WithEvents Panel12 As System.Web.UI.WebControls.Panel
Protected WithEvents Panel11 As System.Web.UI.WebControls.Panel
Protected WithEvents Panel10 As System.Web.UI.WebControls.Panel
Protected WithEvents Panel9 As System.Web.UI.WebControls.Panel
Protected WithEvents Panel8 As System.Web.UI.WebControls.Panel
Protected WithEvents Panel7 As System.Web.UI.WebControls.Panel
Protected WithEvents Panel6 As System.Web.UI.WebControls.Panel
Protected WithEvents Panel5 As System.Web.UI.WebControls.Panel
Protected WithEvents Panel4 As System.Web.UI.WebControls.Panel
Protected WithEvents Panel2 As System.Web.UI.WebControls.Panel
Protected WithEvents Panel1 As System.Web.UI.WebControls.Panel
Protected WithEvents Panel16 As System.Web.UI.WebControls.Panel
Protected WithEvents Panel18 As System.Web.UI.WebControls.Panel
Protected WithEvents Panel17 As System.Web.UI.WebControls.Panel
Protected WithEvents Panel20 As System.Web.UI.WebControls.Panel
Protected WithEvents Panel21 As System.Web.UI.WebControls.Panel
Protected WithEvents Image5 As System.Web.UI.WebControls.Image
Protected WithEvents Image6 As System.Web.UI.WebControls.Image
Protected WithEvents txtValue As
System.Web.UI.WebControls.TextBox
Protected WithEvents txtYear As System.Web.UI.WebControls.TextBox
Protected WithEvents txtCapacity As
System.Web.UI.WebControls.TextBox
Protected WithEvents txtSeating As
System.Web.UI.WebControls.TextBox
Protected WithEvents txtMake As System.Web.UI.WebControls.TextBox
Protected WithEvents txtBody As System.Web.UI.WebControls.TextBox
Protected WithEvents txtPlace As
System.Web.UI.WebControls.TextBox
Protected WithEvents txtCasis As
System.Web.UI.WebControls.TextBox
Protected WithEvents txtEngine As
System.Web.UI.WebControls.TextBox
Protected WithEvents txtRegCard As
System.Web.UI.WebControls.TextBox
Protected WithEvents txtReg As System.Web.UI.WebControls.TextBox
Protected WithEvents txtVehicle As
System.Web.UI.WebControls.TextBox
Protected WithEvents txtNCD As System.Web.UI.WebControls.TextBox
Protected WithEvents txtCommence As
System.Web.UI.WebControls.TextBox
Protected WithEvents txtExpiry As
System.Web.UI.WebControls.TextBox
Protected WithEvents txtHire As System.Web.UI.WebControls.TextBox
Protected WithEvents txtDiscount As
System.Web.UI.WebControls.TextBox
Protected WithEvents txtCoverage As
System.Web.UI.WebControls.TextBox
Protected WithEvents txtUse As System.Web.UI.WebControls.TextBox

```

'NOTE: The following placeholder declaration is required by the Web Form Designer.

```

'Do not delete or move it.
Private designerPlaceholderDeclaration As System.Object

Private Sub Page_Init(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles MyBase.Init
    'CODEGEN: This method call is required by the Web Form
Designer
    'Do not modify it using the code editor.
    InitializeComponent()
End Sub

#End Region
Dim strPath As String = Server.MapPath(".") & "\data.mdb"
Dim strConn As String = "Provider=Microsoft.Jet.OLEDB.4.0;Data
Source=" & strPath
Dim myConn As New OleDb.OleDbConnection(strConn)

Private Sub Page_Load(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles MyBase.Load
    Dim strId As String = Session.Item("id")
    If Not IsPostBack Then
        Dim MyDataReader As OleDb.OleDbDataReader = Nothing
        Dim strMsg As String
        Dim strSQL As String

        strSQL = "SELECT * FROM [vehicle] WHERE IC = '" & strId &
""

        Dim myCmd As New OleDb.OleDbCommand(strSQL, myConn)
        Dim str As String
        Try
            myConn.Open()
            MyDataReader = myCmd.ExecuteReader
            While MyDataReader.Read()
                txtValue.Text = MyDataReader("value")
                txtYear.Text = MyDataReader("year")
                txtCapacity.Text =
MyDataReader("engine_capacity")
                txtSeating.Text = MyDataReader("seating")
                txtMake.Text = MyDataReader("make")
                txtBody.Text = MyDataReader("body")
                txtPlace.Text = MyDataReader("place")
                txtUse.Text = MyDataReader("use")
                txtCoverage.Text = MyDataReader("coverage")
                txtCasis.Text = MyDataReader("casis")
                txtEngine.Text = MyDataReader("engine")
                txtRegCard.Text = MyDataReader("regcard")
                txtReg.Text = MyDataReader("regno")
                txtVehicle.Text = MyDataReader("vehicle")
                txtNCD.Text = MyDataReader("NCD")
                txtCommence.Text = MyDataReader("commence_date")
                txtExpiry.Text = MyDataReader("expiry_date")
                txtHire.Text = MyDataReader("hire")
                txtDiscount.Text = MyDataReader("discount")
            End While
        End Try
    End If
End Sub

```

```

        Catch exp As Exception
            strMsg = "Error message: " & exp.Message
        Finally
            myConn.Close()
        End Try
    End If
End Sub

Private Sub LinkButton3_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles LinkButton3.Click
    Response.Redirect("main.aspx")
End Sub

Private Sub LinkButton1_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles LinkButton1.Click
    Session.Clear()
    Response.Redirect("main.aspx")
End Sub
End Class

```

Quotation Page source code

```

Public Class quotation
    Inherits System.Web.UI.Page

    #Region " Web Form Designer Generated Code "

        'This call is required by the Web Form Designer.
        <System.Diagnostics.DebuggerStepThrough()> Private Sub
InitializeComponent()

            End Sub
            Protected WithEvents Image5 As System.Web.UI.WebControls.Image
            Protected WithEvents Image1 As System.Web.UI.WebControls.Image
            Protected WithEvents txtNetDue As
System.Web.UI.WebControls.TextBox
            Protected WithEvents txtGross As
System.Web.UI.WebControls.TextBox
            Protected WithEvents Button2 As System.Web.UI.WebControls.Button
            Protected WithEvents Panel20 As System.Web.UI.WebControls.Panel
            Protected WithEvents Panel16 As System.Web.UI.WebControls.Panel
            Protected WithEvents Panel15 As System.Web.UI.WebControls.Panel
            Protected WithEvents Panel14 As System.Web.UI.WebControls.Panel
            Protected WithEvents txtPerils As
System.Web.UI.WebControls.TextBox
            Protected WithEvents txtLoadingRadio As
System.Web.UI.WebControls.TextBox
            Protected WithEvents txtExcess As
System.Web.UI.WebControls.TextBox
            Protected WithEvents txtSRCC As System.Web.UI.WebControls.TextBox
            Protected WithEvents txtLegalOf As
System.Web.UI.WebControls.TextBox
            Protected WithEvents txtLegalTo As
System.Web.UI.WebControls.TextBox

```

```

Protected WithEvents txtNCD As System.Web.UI.WebControls.TextBox
Protected WithEvents Panel13 As System.Web.UI.WebControls.Panel
Protected WithEvents Panel12 As System.Web.UI.WebControls.Panel
Protected WithEvents Panel11 As System.Web.UI.WebControls.Panel
Protected WithEvents Panel10 As System.Web.UI.WebControls.Panel
Protected WithEvents Panel9 As System.Web.UI.WebControls.Panel
Protected WithEvents Panel8 As System.Web.UI.WebControls.Panel
Protected WithEvents Panel7 As System.Web.UI.WebControls.Panel
Protected WithEvents Panel6 As System.Web.UI.WebControls.Panel
Protected WithEvents Panel5 As System.Web.UI.WebControls.Panel
Protected WithEvents Panel4 As System.Web.UI.WebControls.Panel
Protected WithEvents Panel2 As System.Web.UI.WebControls.Panel
Protected WithEvents LinkButton3 As
System.Web.UI.WebControls.LinkButton
Protected WithEvents Image2 As System.Web.UI.WebControls.Image
Protected WithEvents Image4 As System.Web.UI.WebControls.Image
Protected WithEvents Panel3 As System.Web.UI.WebControls.Panel
Protected WithEvents Panel1 As System.Web.UI.WebControls.Panel
Protected WithEvents txtPremium As
System.Web.UI.WebControls.TextBox
Protected WithEvents txtCubic As
System.Web.UI.WebControls.TextBox
Protected WithEvents TextBox4 As
System.Web.UI.WebControls.TextBox
Protected WithEvents TextBox3 As
System.Web.UI.WebControls.TextBox
Protected WithEvents TextBox2 As
System.Web.UI.WebControls.TextBox
Protected WithEvents TextBox1 As
System.Web.UI.WebControls.TextBox
Protected WithEvents CheckBox3 As
System.Web.UI.WebControls.CheckBox
Protected WithEvents CheckBox2 As
System.Web.UI.WebControls.CheckBox
Protected WithEvents DropDownList4 As
System.Web.UI.WebControls.DropDownList
Protected WithEvents cboCubic As
System.Web.UI.WebControls.DropDownList
Protected WithEvents cboNCD As
System.Web.UI.WebControls.DropDownList
Protected WithEvents btnCalculate As
System.Web.UI.WebControls.Button
Protected WithEvents DropDownList1 As
System.Web.UI.WebControls.DropDownList
Protected WithEvents CheckBox1 As
System.Web.UI.WebControls.CheckBox
Protected WithEvents Label6 As System.Web.UI.WebControls.Label

```

'NOTE: The following placeholder declaration is required by the Web Form Designer.

'Do not delete or move it.

Private designerPlaceholderDeclaration As System.Object

Private Sub Page_Init(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Init

```

        'CODEGEN: This method call is required by the Web Form
Designer
        'Do not modify it using the code editor.
        InitializeComponent()
    End Sub

#End Region

    Private Sub Page_Load(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles MyBase.Load
        'Put user code to initialize the page here
    End Sub

    Public Sub cboCubic_SelectedIndexChanged(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
cboCubic.SelectedIndexChanged
        If cboCubic.SelectedIndex = 1 Then
            txtCubic.Text = 5 / 100 * Val(txtPremium.Text)
        End If
        If cboCubic.SelectedIndex = 2 Then
            txtCubic.Text = 5 / 100 * Val(txtPremium.Text) + 30
        End If
        If cboCubic.SelectedIndex = 3 Then
            txtCubic.Text = 5 / 100 * Val(txtPremium.Text) + 60
        End If
        If cboCubic.SelectedIndex = 4 Then
            txtCubic.Text = 5 / 100 * Val(txtPremium.Text) + 100
        End If
    End Sub

    Public Sub cboNCD_SelectedIndexChanged(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
cboNCD.SelectedIndexChanged
        txtNCD.Text = Val(cboNCD.SelectedItem.Text) / 100 *
txtCubic.Text
    End Sub

```